

IN THE CLAIMS

✓ Please amend the claims as follows:

Claim 1 (Currently Amended): A communication node, comprising:
a first interface unit connected to a first network;
a second interface unit connected to a second network;
a recognition processing unit for recognizing configured to recognize one
communication node on the first network as one of constituent elements in said
communication node; ~~and a configuration information disclosure unit for disclosing and to~~
disclose an own configuration information regarding the recognized constituent elements as
~~recognized by the recognition unit,~~ to another communication node on the second network
through the second interface unit.


Claim 2 (Currently Amended): The communication node of claim 1, wherein the
~~configuration information disclosure~~ processing unit also discloses existing constituent
elements in said one communication node on the first network as sub constituent elements in
the constituent elements of said communication node.

Claim 3 (Currently Amended): The communication node of claim 1, ~~further~~
~~comprising: a detection unit for detecting~~ wherein the processing unit also detects a first
message identifier on the second network which is described in a packet received through the
second interface unit; ~~a message identifier attaching unit for attaching,~~ attaches a second
message identifier on the first network to the packet at a time of transferring the packet to the
first network; ~~a message identifier correspondence memory unit for storing~~ stores a
correspondence between the first message identifier and the second message identifier; ~~and a~~
~~routing unit for identifying~~ into a correspondence table, and identifies a message identifier on

the second network corresponding to one message identifier on the first network which is described in a packet sent from the first network, by referring to the correspondence stored by the ~~message identifier correspondence memory unit~~ correspondence table according to said one message identifier.

Claim 4 (Currently Amended): The communication node of claim 1, ~~further comprising: a resource acquisition unit having wherein the processing unit also has~~ at least one of a function for reserving a network resource on the second network by using a first resource information regarding a network resource reserved on the first network, and a function for reserving a network resource on the first network by using a second resource information regarding a network resource reserved on the second network; ~~and a resource information correspondence memory unit for storing, and stores~~ a correspondence between the first resource information and the second resource information into a correspondence table.

Claim 5 (Currently Amended): The communication node of claim 1, ~~further comprising at least one of: a node constituent elements information addition unit for adding wherein the processing unit also adds~~ a new configuration information regarding constituent elements in a new communication node to the own configuration information regarding constituent elements in said communication node, when the new communication node is added on the first network; ~~and a node constituent information deletion unit for deleting, and/or deletes~~ an old configuration information regarding constituent elements in an old communication node from the own configuration information regarding constituent elements in said communication node, when the old communication node is deleted from the first network.

 Claim 6 (Currently Amended): The communication node of claim 1, ~~further comprising a configuration information notification unit for notifying~~ wherein the processing unit also notifies to said one communication node on the first network at least a part of the own configuration information regarding constituent elements in said communication node including constituent elements corresponding to said one communication node or constituent elements in said one communication node; ~~and a configuration information reception unit for receiving, and receives~~ from said one communication node at least a part of another configuration information regarding constituent elements in one other communication node on the second network including constituent elements corresponding to said one communication node or constituent elements in said one communication node, that was notified from said one other communication node to which said one communication node was connected up until then.

Claim 7 (Currently Amended): The communication node of claim 1, ~~further comprising: a communication resource notification unit for notifying~~ wherein the processing unit also notifies to said one communication node on the first network a resource information regarding communication resources on the second network that are exclusively used for communications between said one communication node and one other communication node on the second network to which said one communication node was connected up until then; ~~and a configuration information reception unit for receiving, and receives~~ from said one communication node the resource information, that was notified from said one other communication node.

Claim 8 (Currently Amended): A communication node, comprising:

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a first interface unit connected to a first network;
a second interface unit connected to a second network and
a ~~configuration information disclosure~~ processing unit having at least one of a function for disclosing a first configuration information regarding constituent elements in one communication node on the first network as an own configuration information regarding constituent elements in said communication node, to another communication node on the second network through the second interface unit, and a function for disclosing a second configuration information regarding constituent elements in said another communication node on the second network as the own configuration information regarding constituent elements in said communication node, to said one communication node on the first network through the first interface unit.

Claim 9 (Currently Amended): The communication node of claim 8, wherein the ~~configuration information disclosure~~ processing unit discloses the first configuration information by defining said one communication node on the first network as one type of constituent elements of said communication node.

Claim 10 (Currently Amended): The communication node of claim 8, further comprising:

a configuration information correspondence memory unit for storing a correspondence between the first configuration information disclosed to the second network as constituent elements corresponding to said one communication node or constituent elements existing in said one communication node, and actual configuration information regarding said one communication node or constituent elements existing in said one communication node; and

~~a routing unit for identifying wherein the processing unit also identifies~~ a destination communication node on the first network or a destination constituent element of the destination communication node on the first network for a packet sent from the second network, by referring to the configuration information correspondence memory unit according to identifiers of constituent elements in said communication node which are disclosed by the ~~configuration information disclosure~~ processing unit and described in the packet.

Claim 11 (Currently Amended): The communication node of claim 8, ~~further comprising: a detection unit for detecting wherein the processing unit also detects~~ a first message identifier on the second network which is described in a packet received through the second interface unit; ~~a message identifier attaching unit for attaching, attaches~~ a second message identifier on the first network to the packet at a time of transferring the packet to the first network; ~~a message identifier correspondence memory unit for storing, stores~~ a correspondence between the first message identifier and the second message identifier; ~~and a routing unit for identifying into a correspondence table, and identifies~~ a message identifier on the second network corresponding to one message identifier on the first network which is described in a packet sent from the first network, by referring to the correspondence stored by the ~~message identifier correspondence memory unit~~ correspondence table according to said one message identifier.

Claim 12 (Currently Amended): The communication node of claim 8, ~~further comprising: a resource acquisition unit having wherein the processing unit also has~~ at least one of a function for reserving a network resource on the second network by using a first resource information regarding a network resource reserved on the first network, and a

function for reserving a network resource on the first network by using a second resource information regarding a network resource reserved on the second network; ~~and a resource information correspondence memory unit for storing, and stores~~ a correspondence between the first resource information and the second resource information into a correspondence table.

Claim 13 (Currently Amended): The communication node of claim 8, ~~further comprising at least one of: a node constituent elements information addition unit for adding wherein the processing unit also adds~~ a new configuration information regarding constituent elements in a new communication node to the own configuration information regarding constituent elements in said communication node, when the new communication node is added on the first network; ~~and a node constituent information deletion unit for deleting, and/or deletes~~ an old configuration information regarding constituent elements in an old communication node from the own configuration information regarding constituent elements in said communication node, when the old communication node is deleted from the first network..

Claim 14 (Currently Amended): The communication node of claim 8, ~~further comprising: a configuration information notification unit for notifying wherein the processing unit also notifies~~ to said one communication node on the first network at least a part of the own configuration information regarding constituent elements in said communication node including constituent elements corresponding to said one communication node or constituent elements in said one communication node; ~~and a configuration information reception unit for receiving, and receives~~ from said one communication node at least a part of another configuration information regarding

constituent elements in one other communication node on the second network including constituent elements corresponding to said one communication node or constituent elements in said one communication node, that was notified from said one other communication node to which said one communication node was connected up until then.

Claim 15 (Currently Amended): The communication node of claim 8, ~~further comprising: a communication resource notification unit for notifying~~ wherein the processing unit also notifies to said one communication node on the first network a resource information regarding communication resources on the second network that are exclusively used for communications between said one communication node and one other communication node on the second network to which said one communication node was connected up until then; ~~and a configuration information reception unit for receiving, and receives~~ from said one communication node the resource information, that was notified from said one other communication node.

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Claim 16 (Currently Amended): A communication node, comprising:
a first interface unit connected to a first network;
a second interface unit connected to a second network;
a ~~packet input/output unit for carrying~~ processing unit configured to carry out packet input/output processing according to a protocol of the second network; ~~and an application interface information transfer unit for transferring, and transfer~~ data to be exchanged at an interface between the ~~packet input/output~~ processing unit and an application executed on another communication node on the second network, through the first interface unit, so as to handle one communication node connected through the first interface unit as if said one communication node is connected to the second network.

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Claim 17 (Currently Amended): The communication node of claim 16, ~~further comprising: a detection unit for detecting wherein the processing unit also detects a first message identifier on the second network which is described in a packet received through the second interface unit; a message identifier attaching unit for attaching, attaches a second message identifier on the first network to the packet at a time of transferring the packet to the first network; a message identifier correspondence memory unit for storing, stores a correspondence between the first message identifier and the second message identifier; and a routing unit for identifying into a correspondence table, and identifies a message identifier on the second network corresponding to one message identifier on the first network which is described in a packet sent from the first network, by referring to the correspondence stored by the message identifier correspondence memory unit~~ correspondence table according to said one message identifier.

Claim 18 (Currently Amended): The communication node of claim 16, ~~further comprising: a resource acquisition unit having wherein the processing unit also has at least one of a function for reserving a network resource on the second network by using a first resource information regarding a network resource reserved on the first network, and a function for reserving a network resource on the first network by using a second resource information regarding a network resource reserved on the second network; and a resource information correspondence memory unit for storing, and stores a correspondence between the first resource information and the second resource information~~ into a correspondence table.

Claim 19 (Currently Amended): A communication terminal, comprising:

an interface unit connected to a first network;
a ~~connection processing unit for making~~ configured to make a connection to a first communication node on the first network through the interface unit; ~~a communication unit for communicating,~~ communicate with a second communication node on a second network different from the first network, through the first communication node; ~~a communication terminal function disclosure unit for disclosing,~~ disclose functions in said communication terminal as Sub Units in an AV/C (Audio/Visual Control) protocol executed on an IEEE 1394 bus; ~~and a Sub Unit information reception unit for receiving,~~ and receive at least a part of information regarding Sub Units existing in the second communication node.

Claim 20 (Currently Amended): The communication terminal of claim 19, ~~further comprising: a configuration information reception unit for receiving~~ wherein the processing unit also receives at least a part of a configuration information regarding constituent elements existing in the first communication node including a constituent element corresponding to said communication terminal, which is notified from the first communication node in order for the first communication node to handle said communication terminal as one of constituent elements existing in the first communication node; ~~a configuration information memory unit for storing,~~ stores at least a part of the received configuration information ~~received by the configuration information reception unit; and a configuration information notification unit for notifying into a memory, and notifies~~ at least a part of the configuration information stored in the ~~configuration information memory unit,~~ to a third communication node on the second network to which said communication terminal is newly connected.

Claim 21 (Currently Amended): The communication terminal of claim 19, ~~further comprising: a communication resource information reception unit for receiving~~ wherein the

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processing unit also receives a communication resource information regarding communication resources on the second network which are exclusively used for communications between said communication terminal and the second communication node, which is notified from the first communication node; ~~a communication resource information memory unit for storing~~, stores at least a part of the received communication resource information ~~received by the communication resource information reception unit~~; and a ~~communication resource information transfer unit for notifying into a memory~~, and notifies the communication resource information stored in the ~~communication resource information memory unit~~, to a third communication node on the second network to which said communication terminal is newly connected.

Claim 22 (Currently Amended): A communication terminal, comprising:
an interface unit connected to a first network;
a ~~connection processing unit for making~~ configured to make a connection to a first communication node on the first network through the interface unit; ~~a communication unit for communicating~~, and communicate with a second communication node on a second network different from the first network, through the first communication node; and
an application execution unit ~~for executing~~ configured to execute an application on the second network which is to be executed in the second communication node.

Claim 23 (Currently Amended): The communication terminal of claim 22, ~~further comprising: a configuration information reception unit for receiving~~ wherein the processing unit also receives at least a part of a configuration information regarding constituent elements existing in the first communication node including a constituent element corresponding to said communication terminal, which is notified from the first communication node in order

for the first communication node to handle said communication terminal as one of constituent elements existing in the first communication node; ~~a configuration information memory unit for storing, stores~~ at least a part of the received configuration information ~~received by the configuration information reception unit; and a configuration information notification unit for notifying into a memory, and notifies~~ at least a part of the configuration information stored in the ~~configuration information memory unit~~, to a third communication node on the second network to which said communication terminal is newly connected.

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Claim 24 (Currently Amended): The communication terminal of claim 22, ~~further comprising: a communication resource information reception unit for receiving wherein the processing unit also receives~~ a communication resource information regarding communication resources on the second network which are exclusively used for communications between said communication terminal and the second communication node, which is notified from the first communication node; ~~a communication resource information memory unit for storing, stores~~ at least a part of the received communication resource information ~~received by the communication resource information reception unit; and a communication resource information transfer unit for notifying into a memory, and notifies~~ the communication resource information stored in the ~~communication resource information memory unit~~, to a third communication node on the second network to which said communication terminal is newly connected.